

**IN THE CLAIMS**

Please cancel claims 12-19.

1. (Currently Amended) A beneficiated sludge solids composition characterized by its ability to reduce ammonia emissions , the composition [comprising] consisting essentially of: digested municipal sewage sludge containing carbonate or carbon dioxide; ammonium sulfate; mineral acid; and phosphate salt; wherein the acid causes decomposition of the carbonate or carbon dioxide so that ammonia emissions are minimized.
2. (Original) *The beneficiated sludge solids composition of Claim 1, comprising on a water-free basis: about 10 wt.% to about 77 wt.% of said digested municipal sewage sludge; about 21 wt.% to about 88 wt.% of said ammonium sulfate; about 1 wt.% to about 12 wt.% of said mineral acid; and about 0.3 wt.% to about 6 wt.% of said phosphate salt.*
3. (Original) *The beneficiated sludge solids composition of Claim 1, comprising on a water-free basis: about 25 wt.% to about 75 wt.% of said digested municipal sewage sludge; about 23 wt.% to about 73 wt.% of said ammonium sulfate; about 2.5 wt.% to about 9 wt.% of said mineral acid; and about 0.5 wt.% to about 5 wt.% of said phosphate salt.*
4. (Original) *The beneficiated sludge solids composition of Claim 1, comprising on a water-free basis: about 35 wt.% to about 70 wt.% of said digested municipal sewage sludge; about 28 wt.% to about 63 wt.% of said ammonium sulfate; about 2.5 wt.% to about 9 wt.% of said mineral acid; and about 0.5 wt.% to about 5 wt.% of said phosphate salt.*

Inventor: Ronald E. Highsmith  
Serial No: 09/855,480  
Art Unit: 1724

Honeywell Docket No. H0001323  
Bingham Docket No. 55-003-001

5. *(Original) The beneficiated sludge solids composition of Claim 1, wherein the digested municipal sewage sludge is anaerobically digested.*
6. *(Original) The beneficiated sludge solids composition of Claim 1, wherein the mineral acid is at least one member selected from the group consisting of sulfuric acid and phosphoric acid.*
7. *(Original) The beneficiated sludge solids composition of Claim 1, wherein the phosphate salt is at least one member selected from the group consisting of ammonium metaphosphate ( $\text{NH}_4\text{PO}_3$ ), ammonium monobasic phosphate ( $\text{NH}_4\text{H}_2\text{PO}_4$ ), ammonium dibasic phosphate ( $(\text{NH}_4)_2\text{HPO}_4$ ), ammonium polyphosphate ( $(\text{NH}_4)_5\text{P}_3\text{O}_{10}$ )), trisodium phosphate ( $\text{Na}_3\text{PO}_4$ ), tetrasodium pyrophosphate ( $\text{Na}_4\text{P}_2\text{O}_7$ ), sodium tripolyphosphate ( $\text{Na}_5\text{P}_3\text{O}_{10}$ ), hexasodium hexaphosphate ( $\text{Na}_6\text{P}_6\text{O}_{18}$ ), potassium metaphosphate ( $\text{KPO}_3$ ), potassium pyrophosphate ( $\text{K}_4\text{P}_2\text{O}_7$ ), potassium monobasic phosphate ( $\text{KH}_2\text{PO}_4$ ), potassium dibasic phosphate ( $\text{KHPO}_4$ ), potassium tribasic phosphate ( $\text{K}_3\text{PO}_4$ ) and calcium superphosphate ( $\text{Ca}(\text{H}_2\text{PO}_4)_2$ ).*
8. *(Previously Amended) The beneficiated sludge solids composition of Claim 1, wherein the phosphate salt is at least one member selected from the group consisting of trisodium phosphate and sodium tripolyphosphate.*
9. *(Original) The beneficiated sludge solids composition of Claim 1, having a water content of between about 0 wt.% to about 10 wt.%.*
10. *(Original) The beneficiated sludge solids composition of Claim 1, having a water content of between about 0 wt.% to about 5 wt.%.*
11. *(Original) The beneficiated sludge solids composition of Claim 10 in granulated form.*

CLAIMS 12 – 29 (WITHDRAWN)

## ADDED CLAIMS

30. (Added) A beneficiated sludge solids composition characterized by its ability to reduce ammonia emissions, the composition comprising:  
digested municipal sewage sludge containing carbonate or carbon dioxide; ammonium sulfate; mineral acid; and phosphate salt, wherein the salt is selected from the group of trisodium phosphate or sodium tripolyphosphate; wherein the acid causes decomposition of the carbonate or carbon dioxide so that ammonia emissions are minimized.
31. (Added) The beneficiated sludge solids composition of Claim 30, comprising on a water-free basis: about 10 wt.% to about 77 wt.% of said digested municipal sewage sludge; about 21 wt.% to about 88 wt.% of said ammonium sulfate; about 1 wt.% to about 12 wt.% of said mineral acid; and about 0.3 wt.% to about 6 wt.% of said phosphate salt.
32. (Added) The beneficiated sludge solids composition of Claim 30, comprising on a water-free basis: about 25 wt.% to about 75 wt.% of said digested municipal sewage sludge; about 23 wt.% to about 73 wt.% of said ammonium sulfate; about 2.5 wt.% to about 9 wt.% of said mineral acid; and about 0.5 wt.% to about 5 wt.% of said phosphate salt.
33. (Added) The beneficiated sludge solids composition of Claim 30, comprising on a water-free basis: about 35 wt.% to about 70 wt.% of said digested municipal sewage sludge; about 28 wt.% to about 63 wt.% of said ammonium sulfate; about 2.5 wt.% to about 9 wt.% of said mineral acid; and about 0.5 wt.% to about 5 wt.% of said phosphate salt.